

Refine Search

Search Results -

Terms	Documents
tiotropium same (HFA or HFC or hydrofluorocarbon or hydrofluoroalkane)	27

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L7

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Recall Text

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Search History

DATE: Thursday, September 28, 2006 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L7</u>	tiotropium same (HFA or HFC or hydrofluorocarbon or hydrofluoroalkane)	27	<u>L7</u>
	<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>		
<u>L6</u>	Christel near Schmelzer	18	<u>L6</u>
<u>L5</u>	L4 and tiotropium	2	<u>L5</u>
<u>L4</u>	Friedrich near Schmidt	96	<u>L4</u>
<u>L3</u>	Christel near Schmelzer	18	<u>L3</u>
<u>L2</u>	sabine near six	1	<u>L2</u>
	<i>DB=USPT; PLUR=YES; OP=OR</i>		
<u>L1</u>	6045778.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 12:04:00 ON 28 SEP 2006)

FILE 'CAPLUS, MEDLINE, USPATFULL' ENTERED AT 12:04:23 ON 28 SEP 2006

L1	1262 S TIOTROPIUM
L2	28 S L1 (P) (HFA OR HFC OR HYDROFLUOROCARBON OR HYDROFLUOROALKANE)
L3	18 S L2 (P) ACID
L4	17 DUPLICATE REMOVE L3 (1 DUPLICATE REMOVED)
L5	17 FOCUS L4 1-

L5 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Tiotropium containing HFC solution formulations
 AB This invention relates to tiotropium containing stable pharmaceutical solution formulations suitable for aerosol administration. More particularly, this invention relates to tiotropium containing stable pharmaceutical solution formulations suitable for aerosol administration wherein either an inorg. acid or an organic acid is added to the aerosol solution formulation which contains a tiotropium salt, preferably tiotropium bromide in solution with an environmentally safe hydrofluorocarbon (HFC) as a propellant, together with an organic compound as a cosolvent. The acid provides stability against degradation or decomposition of the medicament resulting largely from interaction of the medicament with the cosolvent and/or water present in the solution formulation. A formulation contained tiotropium bromide monohydrate, absolute ethanol, water, citric acid, and HFC-134a.

ACCESSION NUMBER: 2004:531359 CAPLUS
 DOCUMENT NUMBER: 141:76765
 TITLE: Tiotropium containing HFC solution formulations
 INVENTOR(S): Six, Sabine; Schmelzer, Christel; Schmidt, Friedrich
 PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. Kg, Germany
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004054580	A1	20040701	WO 2003-EP13692	20031204
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2510043	AA	20040701	CA 2003-2510043	20031204
AU 2003303029	A1	20040709	AU 2003-303029	20031204
EP 1575588	A1	20050921	EP 2003-813106	20031204
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017340	A	20051108	BR 2003-17340	20031204
CN 1726038	A	20060125	CN 2003-80106366	20031204
JP 2006510680	T2	20060330	JP 2004-559752	20031204
US 2005058606	A1	20050317	US 2003-730796	20031209
PRIORITY APPLN. INFO.:			EP 2002-28238	A 20021216
			US 2003-446672P	P 20030211
			WO 2003-EP13692	W 20031204
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L5 ANSWER 2 OF 17 USPATFULL on STN
 TI Tiotropium containing HFC solution formulations
 AB This invention relates to tiotropium containing stable pharmaceutical solution formulations suitable for aerosol administration. More particularly, this invention relates to tiotropium containing stable pharmaceutical solution formulations suitable for aerosol administration wherein either an

inorganic acid or an organic acid is added to the aerosol solution formulation which contains a tiotropium salt, preferably tiotropium bromide in solution with an environmentally safe hydrofluorocarbon (HFC) as a propellant, together with an organic compound as a cosolvent. The acid provides stability against degradation or decomposition of the medicament resulting largely from interaction of the medicament with the cosolvent and/or water present in the solution formulation.

ACCESSION NUMBER: 2005:68468 USPATFULL
TITLE: Tiotropium containing HFC solution formulations
INVENTOR(S): Six, Sabine, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
Schmelzer, Christel, Ingelheim, GERMANY, FEDERAL
REPUBLIC OF
Schmidt, Friedrich, Ingelheim, GERMANY, FEDERAL
REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. KG, Ingelheim,
GERMANY, FEDERAL REPUBLIC OF, 55216 (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005058606	A1	20050317
APPLICATION INFO.:	US 2003-730796	A1	20031209 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2002-28238	20021216
	US 2003-446672P	20030211 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MICHAEL P. MORRIS, BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT, 06877-0368	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
LINE COUNT:	514	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 17 USPATFULL on STN
TI Novel crystalline anhydrate with anticholinergic efficacy
AB The invention relates to a new crystalline anhydrate of tiotropium
bromide, processes for preparing it and its use for preparing a
pharmaceutical composition for the treatment of respiratory complaints,
particularly for the treatment of COPD (chronic obstructive pulmonary
disease) and asthma.

ACCESSION NUMBER: 2005:165985 USPATFULL
TITLE: Novel crystalline anhydrate with anticholinergic
efficacy
INVENTOR(S): Pfrengle, Waldemar, Biberach, GERMANY, FEDERAL REPUBLIC
OF
Sieger, Peter, Mittelbiberach, GERMANY, FEDERAL
REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim International GmbH, Ingelheim,
GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005143410	A1	20050630
APPLICATION INFO.:	US 2004-976624	A1	20041029 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 2003-25077	20031103
	US 2003-528338P	20031210 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MICHAEL P. MORRIS, BOEHRINGER INGELHEIM CORPORATION,
900 RIDGEBURY ROAD, P. O. BOX 368, RIDGEFIELD, CT,
06877-0368, US
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 687
CAS INDEXING IS AVAILABLE FOR THIS PATENT.